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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/633,686	08/05/2003	Yukie Nakano	109639.01	6866
25944 75	590 06/15/2006		EXAMINER	
OLIFF & BERRIDGE, PLC			LOPEZ, CARLOS N	
P.O. BOX 19928 ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
			1731	
		DATE MAILED: 06/15/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/633,686	NAKANO ET AL.
Office Action Summary	Examiner	Art Unit
	Carlos Lopez	1731
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statutt Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	NATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on This action is FINAL . 2b)⊠ This Since this application is in condition for allowated closed in accordance with the practice under the process.	s action is non-final. ince except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 1-4 is/are pending in the application. 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-4 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/of the specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11) The oath or declaration is objected to by the Examine 11)	or election requirement. er. cepted or b) objected to by the leading and the drawing of the dr	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list	ts have been received. ts have been received in Applicati prity documents have been receive nu (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 8/5/03.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	

Application/Control Number: 10/633,686

Art Unit: 1731

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nomura et al (US 5,319,517) in view of JP 11-103022 ('022). Nomura disclose a method of making a multilayer ceramic capacitor (See abstract). The method comprises firing a green chip to be a capacitor element body comprising dielectric layers and internal electrode layers in a reducing atmosphere (See Col. 10, lines 50-56) and performing a heat processing under an atmosphere in which the oxygen partial pressure is higher than the reducing atmosphere (See Col. 10, lines 59-63). Nomura is silent disclosing the size of the particles making up the dielectric layers. However, '022 teaches that particles of dielectric layers have a diameter larger than the thickness of the dielectric layer (See machine translation of paragraph 7) in order to provide a specific inductive capacity, high insulation, and reducing crack initiation (see machine paragraphs 4-5). Hence, at the time the invention was made it would it have been obvious to a person of ordinary skill in the art to have used particles of dielectric layers have a diameter larger than the thickness of the dielectric layer for Nomura's capacitor in order to provide a specific inductive capacity, high insulation, and reduction in crack initiation as taught by '022.

Application/Control Number: 10/633,686 Page 3

Art Unit: 1731

As for claim 2, the temperature after firing is 1000°C as shown in Col. 10, lines 59-65 of Nomura.

As for claims 3-4, the oxygen partial pressure is 10⁻³Pa as shown in Col. 10, lines 59-65 of Nomura.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos Lopez whose telephone number is 571.272.1193. The examiner can normally be reached on Mon.-Fri. 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571.272.1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Page 4

Application/Control Number: 10/633,686

Art Unit: 1731

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